

Title (en)

METHOD FOR INK-JET PRINTING A SILICONE-BASED COMPOSITION ONTO A TEXTILE SUBSTRATE

Title (de)

VERFAHREN ZUM TINTENSTRAHLDRUCKEN EINER AUF SILIKON BASIERENDEN ZUSAMMENSETZUNG AUF EIN TEXTILSUBSTRAT

Title (fr)

PROCEDE D'IMPRESSION JET D'ENCRE D'UNE COMPOSITION A BASE DE SILICONE SUR UN SUPPORT TEXTILE

Publication

**EP 3983594 A1 20220420 (FR)**

Application

**EP 20733240 A 20200611**

Priority

- FR 1906202 A 20190611
- EP 2020066237 W 20200611

Abstract (en)

[origin: WO2020249694A1] The invention relates to a method for ink-jet printing a two-component silicone-based composition onto a textile substrate (3), said composition comprising a first component comprising at least one silicone polymer and a second component comprising at least one cross-linking agent, the method comprising the following steps: - providing a printing system (1) comprising at least one print head (10), itself comprising at least one print nozzle (12) capable of spraying the two-component silicone-based composition onto the textile substrate (3), and means (20) for relative movement (20) between the print head (10) and the textile substrate; - spraying the first component and the second component onto the textile substrate (3) via said printing nozzle (12); and, - cross-linking the silicone polymer by reaction between the first component and the second component so as to form a printed pattern on the textile substrate (3).

IPC 8 full level

**D06B 11/00** (2006.01); **D06M 15/643** (2006.01); **D06P 5/30** (2006.01)

CPC (source: EP US)

**A41B 11/128** (2013.01 - US); **A61F 13/08** (2013.01 - US); **B41J 2/145** (2013.01 - US); **B41J 3/4078** (2013.01 - US); **B41M 5/0023** (2013.01 - US); **C09D 11/102** (2013.01 - US); **C09D 11/30** (2013.01 - US); **D06B 1/02** (2013.01 - EP); **D06B 11/0059** (2013.01 - EP US); **D06B 11/0073** (2013.01 - EP US); **D06M 15/643** (2013.01 - EP US); **D06M 23/16** (2013.01 - EP US); **D06N 5/003** (2013.01 - EP); **D06P 1/5292** (2013.01 - EP US); **D06P 1/54** (2013.01 - US); **D06P 5/30** (2013.01 - EP US); **A41B 11/126** (2013.01 - EP); **A61F 13/08** (2013.01 - EP); **D10B 2501/021** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020249694 A1 20201217**; AU 2020293630 A1 20220106; BR 112021024871 A2 20220125; CA 3140705 A1 20201217; EP 3983594 A1 20220420; FR 3097239 A1 20201218; FR 3097239 B1 20220429; MX 2021015394 A 20220406; US 2022250397 A1 20220811

DOCDB simple family (application)

**EP 2020066237 W 20200611**; AU 2020293630 A 20200611; BR 112021024871 A 20200611; CA 3140705 A 20200611; EP 20733240 A 20200611; FR 1906202 A 20190611; MX 2021015394 A 20200611; US 202017617440 A 20200611